



May 07, 2010

Cheryl Metzler
B.P. OIL COMPANY
501 Westlake Boulevard
Houston, TX 77079-

Bureau Veritas Work Order No. 10050251

Reference:

Dear Cheryl Metzler:

Bureau Veritas North America, Inc. received 13 samples on 5/6/2010 for the analyses presented in the following report.

Enclosed is a copy of the Chain-of-Custody record, acknowledging receipt of these samples. Please note that any unused portion of the samples will be discarded 30 days after the date of this report, unless you have requested otherwise.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number provided below.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact a Client Services Representative at (800) 806-5887.

Sincerely,

Wendy Lesniak
Client Services Representative

cc:

CASE NARRATIVE

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No 10050251

The results of this report relate only to the samples listed in the body of this report.

Unless otherwise noted below, the following statements apply: 1) all samples were received in acceptable condition, 2) all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results, and 3) the industrial hygiene results have not been blank corrected.

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100000

Date Sampled: 4/27/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 001A

Sampling Time (min): 720

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.039	<0.012	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	8.6	0.44	0.10	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	2,400	100	30	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	15	0.66	0.17	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	49	2.5	0.57	6	5/6/2010	OSHA 7/NIOSH 1550

Sample Identification: MC252100001

Date Sampled: 4/28/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 002A

Sampling Time (min): 720

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.039	<0.012	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.15	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	100	4.4	1.3	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.13	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.31	<0.070	6	5/6/2010	OSHA 7/NIOSH 1550

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100002

Date Sampled: 4/28/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 003A

Sampling Time (min): 690

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.041	<0.013	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.16	<0.037	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	79	3.6	1.0	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.14	<0.037	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.32	<0.073	6	5/6/2010	OSHA 7/NIOSH 1550

Sample Identification: MC252100003

Date Sampled: 4/30/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 004A

Sampling Time (min): 720

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.039	<0.012	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.15	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	200	8.6	2.4	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.13	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.31	<0.070	6	5/6/2010	OSHA 7/NIOSH 1550

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100004

Date Sampled: 4/29/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 005A

Sampling Time (min): 480

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.059	<0.018	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.23	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	140	9.4	2.7	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	5.7	0.38	0.10	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.46	<0.11	6	5/6/2010	OSHA 7/NIOSH 1550

Sample Identification: MC252100005

Date Sampled: 4/29/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 006A

Sampling Time (min): 480

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.059	<0.018	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.23	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	78	5.1	1.4	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.20	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.46	<0.11	6	5/6/2010	OSHA 7/NIOSH 1550

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100006

Date Sampled: 4/29/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 007A

Sampling Time (min): 480

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.059	<0.018	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.23	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	66	4.3	1.2	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.20	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.46	<0.11	6	5/6/2010	OSHA 7/NIOSH 1550

Sample Identification: MC252100007

Date Sampled: 4/30/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 008A

Sampling Time (min): 480

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.059	<0.018	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.23	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	890	58	16	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.20	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	17	1.3	0.29	6	5/6/2010	OSHA 7/NIOSH 1550

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100008

Date Sampled: 4/30/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 009A

Sampling Time (min): 480

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.059	<0.018	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	3.6	0.27	0.062	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	1,000	68	19	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.20	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	20	1.5	0.35	6	5/6/2010	OSHA 7/NIOSH 1550

Sample Identification: MC252100009

Date Sampled: 5/2/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 010A

Sampling Time (min): 720

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.039	<0.012	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.15	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	97	4.2	1.2	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.13	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.31	<0.070	6	5/6/2010	OSHA 7/NIOSH 1550

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100010

Date Sampled: 5/3/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 011A

Sampling Time (min): 720

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.039	<0.012	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.15	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	110	4.6	1.3	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.13	<0.035	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	<6	<0.31	<0.070	6	5/6/2010	OSHA 7/NIOSH 1550

Sample Identification: MC252100011

Date Sampled: 5/3/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 012A

Sampling Time (min): 480

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzene	35.5	<1	<0.059	<0.018	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	<3	<0.23	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	500	33	9.3	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	<3	<0.20	<0.053	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	6.8	0.52	0.12	6	5/6/2010	OSHA 7/NIOSH 1550

ANALYTICAL RESULTS

Date: 07-May-10

Client: B.P. OIL COMPANY

Project:

Work Order No: 10050251

Sample Identification: MC252100012

Date Sampled: 5/4/2010

Sample Type: 3M 3500 PM

Date Received: 5/6/2010

Lab Number: 013A

Sampling Time (min): 720

Analyst: CCR

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m ³)	(ppm)			
Benzene	35.5	<1	<0.039	<0.012	1	5/6/2010	OSHA 7/NIOSH 1550
Ethylbenzene	27.3	5.0	0.26	0.059	3	5/6/2010	OSHA 7/NIOSH 1550
THCs as n-Hexane	32	1,300	57	16	30	5/6/2010	OSHA 7/NIOSH 1550
Toluene	31.4	6.8	0.30	0.079	3	5/6/2010	OSHA 7/NIOSH 1550
Xylene, Total	27.3	29	1.5	0.33	6	5/6/2010	OSHA 7/NIOSH 1550

General Notes:

<: Less than the indicated reporting limit (RL).

--: Information not available or not applicable.

Back sections (if applicable) were checked and showed no significant breakthrough unless otherwise noted.

REQUEST FOR LABORATORY ANALYTICAL SERVICES



Bureau Veritas North America, Inc.

Detroit Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
Fax (248) 344-2655

Atlanta Lab
3380 Chastain Meadows Pky, Ste 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
Fax (770) 499-7511

Chicago Lab
95 Oakwood Road
Lake Zurich, IL 60047
(888) 576-7522
(847) 726-3320
Fax (847) 726-3323

RUSH ANALYSIS

CONTACT LAB IN ADVANCE

Need Results by: ____/____/____
Charges Authorized? ☐ Yes ☐ No
(if yes, initial here) _____
☐ Email Results ☐ Fax

For Bureau Veritas Use Only
Bureau Veritas Lab Project No.

10050251

REPORT RESULTS TO	Name		Client Job. No.		BILLING/INVOICE INFORMATION	PO #		<input type="checkbox"/> Call for Credit Card Information		<input type="checkbox"/> Direct Bill		
	Company		Dept.			Name						
	Mailing Address					Company						
	City, State, Zip					Address						
Telephone No.		Fax No.				City, State, Zip						
Special Instructions and/or specific regulatory requirements: (method, limit of detection, etc.)				Soils: Which state are these from? _____		Waters: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)				
* Explanation of Preservation												
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	FOR LAB USE ONLY					
mc252 10 0000		4-27-10	12hrs	3m			NIOSH 1550					
mc252 10 0001		4-28-10	12hrs				OSHA 7					
mc252 10 0002		4-28-10	11.5hrs									
mc252 10 0003		4-30-10	12 hrs									
mc252 10 0004		4-29-10	8hrs									
mc252 10 0005		4-29-10	8hrs									
mc252 10 0006		4-29-10	8hrs									
mc252 10 0007		4-30-10	8hrs									
mc252 10 0008		4-30-10	8hrs									
mc252 10 0009		5-2-10	12hrs									
mc252 10 0010		5-3-10	12hrs									
mc252 10 0011		5-3-10	8hrs									
CHAIN OF CUSTODY	Collected by: Chad Comeaux (print)					Collector's Signature: [Signature]						
	Relinquished by:			Date/Time		Received by:			Date/Time			
	Relinquished by:			Date/Time		Received by:			Date/Time			
	Method of Shipment:					Received at Lab by: Dan Zee			Date/Time 5/6			
Authorized by:					Date		Sample Condition Upon Receipt <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)					

(Client Signature **MUST** Accompany Request)

Page 1 of 2

LABORATORY COPY

REQUEST FOR LABORATORY ANALYTICAL SERVICES



**BUREAU
VERITAS**

Bureau Veritas North America, Inc.

Detroit Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
Fax (248) 344-2655

Atlanta Lab
3380 Chastain Meadows Pky, Ste 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
Fax (770) 499-7511

Chicago Lab
95 Oakwood Road
Lake Zurich, IL 60047
(888) 576-7522
(847) 726-3320
Fax (847) 726-3323

RUSH ANALYSIS

CONTACT LAB IN ADVANCE

Need Results by: ____/____/____
Charges Authorized? ☐ Yes ☐ No
(if yes, initial here) _____
☐ Email Results ☐ Fax

For Bureau Veritas Use Only Bureau Veritas Lab Project No.

REPORT RESULTS TO	Name				Client Job. No.				BILLING/INVOICE INFORMATION	<input type="checkbox"/> PO # _____ <input type="checkbox"/> Call for Credit Card Information <input type="checkbox"/> Direct Bill													
	Company				Dept.					Name													
	Mailing Address									Company													
	City, State, Zip									Address													
Telephone No.				Fax No.				City, State, Zip															
Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)								Soils: Which state are these from? _____		Waters: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)											
* Explanation of Preservation																							
CLIENT SAMPLE IDENTIFICATION				DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	FOR LAB USE ONLY														
mc25210612				4-5-10	12 hrs	3m			X	X													
CHAIN OF CUSTODY	Collected by: Chad Comeaux				(print)				Collector's Signature: [Signature]														
	Relinquished by:				Date/Time				Received by:				Date/Time										
	Relinquished by:				Date/Time				Received by:				Date/Time										
	Method of Shipment:								Received at Lab by: Dan [Signature]				Date/Time 5/6										
Authorized by:								Date								Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)							

(Client Signature MUST Accompany Request)

LABORATORY COPY